

AMENDMENT

In The Claims

Please amend the claims as follows:

1. (currently amended) A snowmobile comprising:

an engine;

a support member located adjacent to the engine, the support member including an internal gear cavity having at least two gears rotating about gear axes, wherein the gear axes are fixed relative to the support member; and

a drive pulley and a driven pulley, each pulley rotatably mounted to the support member, each pulley disposed outboard of the support member.

2. (original) The snowmobile of claim 1, wherein the support member is structured to maintain the drive pulley and the drive pulley in a substantially fixed position relative to each other.

3. (previously amended) The snowmobile of claim 1, further including an isolation member coupling an engine output shaft to the drive pulley.

4. (original) The snowmobile of claim 1, further including an engine water pump mounted on the support member.

5. (previously amended) The snowmobile of claim 1, wherein the at least two gears comprise a sprocket gear and a pulley gear.

6. (original) The snowmobile of claim 5, wherein the pulley gear is coupled to the driven pulley, and the sprocket gear is coupled to a sprocket axle, and wherein the pulley gear and the sprocket gear are rotatably coupled within the gear case.

7. (currently amended) The snowmobile of claim 6, wherein a gear ratio between the pulley gear and the sprocket gear ~~can~~ ranges between about 2.0:1 and about 1.0:1 ~~1.5:1~~.

8. (original) The snowmobile of claim 1, wherein the support member absorbs heat generated by the engine, thereby minimizing heat absorbed by the drive pulley.

9. (original) The snowmobile of claim 1, further including a housing structured to completely enclose the drive and driven pulleys.

10. (original) The snowmobile of claim 1, wherein the support member comprises a substantially rigid casing.

11. (original) The snowmobile of claim 1, wherein the drive and driven pulleys comprise centrifugal clutches.

12. (currently amended) A snowmobile employing a drive belt, the snowmobile comprising:

an engine including an output shaft;

a support member located adjacent to the engine, the support member including an internal gear cavity having at least two gears rotating about gear axes, wherein the gear axes are fixed relative to the support member; and

a drive pulley and a driven pulley, ~~each pulley having an inboard side and an outboard side, with~~ each pulley rotatably mounted to the support member, each pulley disposed outboard of the support member.

13. (original) The snowmobile of claim 12, further including an isolation member coupling the output shaft to the drive pulley.

14. (original) The snowmobile of claim 12, further including an engine water pump mounted on the support member.

15. (previously amended) The snowmobile of claim 12, wherein the at least two gears comprise a sprocket gear and a pulley gear.

16. (original) The snowmobile of claim 15, wherein the pulley gear is coupled to the driven pulley, and the sprocket gear is coupled to a sprocket axle, and wherein the pulley gear and the sprocket gear are rotatably coupled within the gear case.

17. (currently amended) The snowmobile of claim 16, wherein a gear ratio between the pulley gear and the sprocket gear can ranges between about 2.0:1 and about 1.5:1.

18. (original) The snowmobile of claim 12, wherein the support member absorbs heat generated by the engine, thereby minimizing heat absorbed by the drive pulley.

19. (original) The snowmobile of claim 12, further including a housing structured to completely enclose the drive and driven pulleys.

20. (original) The snowmobile of claim 12, wherein the support member comprises a substantially rigid casing.

21. (original) The snowmobile of claim 12, wherein the drive and driven pulleys comprise centrifugal clutches.

22. (currently amended) A drive train for a snowmobile employing an endless track and an engine having an output shaft, the drive train comprising:

a support member coupled to a frame, the support member located adjacent to the engine;

a drive pulley and a driven pulley, each pulley rotatably mounted to the support member and disposed outboard of the support member, with an isolation member coupled to the drive pulley and to the output shaft; and

a sprocket gear and a pulley gear rotating about gear axes within the support member, wherein the gear axes are fixed relative to the support member and the pulley gear is coupled to the driven pulley and the sprocket gear is coupled to the endless track.

23. (original) The drive train of claim 22, further including an engine water pump mounted on the support member.

24. (original) The drive train of claim 22, further including a gear case located within the support member, the gear case including the sprocket gear and the pulley gear.

25. (original) The drive train of claim 22, wherein the support member absorbs heat generated by the engine, thereby minimizing heat absorbed by the drive pulley.

26. (original) The drive train of claim 22, further including a housing structured to completely enclose the drive and driven pulleys.

27. (original) The drive train of claim 22, wherein the support member comprises a substantially rigid cast-aluminum casing.

28. (original) The drive train of claim 22, wherein the drive and driven pulleys comprise centrifugal clutches.

29. (currently amended) The drive train of claim 22, wherein a gear ratio between the pulley gear and the sprocket ~~gear~~ gear can range between about 2.0:1 and about 1.5:1.
